# INTERNATIONAL SEARCH REPORT

International Application No
PCT/EP2004/008708

A. CLASSIFICATION OF SUBJECT MATTER
IPC 7 G01N33/543 G01N33/94

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)
IPC 7 G01N

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practical, search terms used)
EPO-Internal, BIOSIS, WPI Data, PAJ

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category ° | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|---|---|---|
| X | LOIDL-STAHLHOFEN ANGELIKA ET AL: "Multilamellar liposomes and solid-supported lipid membranes (TRANSIL): Screening of lipid-water partitioning toward a high-throughput scale" PHARMACEUTICAL RESEARCH (NEW YORK), vol. 18, no. 12, December 2001 (2001-12), pages 1782-1788, XP002301861 ISSN: 0724-8741 cited in the application | 8 |
| Y | abstract page 1783, column 1, paragraph 2 - page 1784, column 2, paragraph 1 | 1-7,9,10 |
| | -/-- | |

[X] Further documents are listed in the continuation of box C.

[X] Patent family members are listed in annex.

° Special categories of cited documents :

"A" document defining the general state of the art which is not considered to be of particular relevance

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"O" document referring to an oral disclosure, use, exhibition or other means

"P" document published prior to the international filing date but later than the priority date claimed

"T" later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

"X" document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

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| Date of the actual completion of the international search | Date of mailing of the international search report |
|---|---|
| 4 November 2004 | 11/11/2004 |

| Name and mailing address of the ISA | Authorized officer |
|---|---|
| European Patent Office, P.B. 5818 Patentlaan 2<br>NL – 2280 HV Rijswijk<br>Tel. (+31-70) 340-2040, Tx. 31 651 epo nl,<br>Fax: (+31-70) 340-3016 | Angioni, C |

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

| Category * | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|---|---|---|
| X | LOIDL-STAHLHOFEN A ET AL: "Solid-supported lipid membrane as a tool for determination of membrane affinity: high-throughput screening of a physicochemical parameter" JOURNAL OF PHARMACEUTICAL SCIENCES, AMERICAN PHARMACEUTICAL ASSOCIATION. WASHINGTON, US, vol. 90, no. 5, May 2001 (2001-05), pages 599-606, XP002232186 ISSN: 0022-3549 cited in the application | 8 |
| Y | abstract page 600, column 2, paragraph 4 - page 601, column 2, paragraph 4 | 1-7,9,10 |
| Y | SCHUHMACHER JOACHIM ET AL: "Determination of the free fraction and relative free fraction of drugs strongly bound to plasma proteins" JOURNAL OF PHARMACEUTICAL SCIENCES, vol. 89, no. 8, August 2000 (2000-08), pages 1008-1021, XP002301862 ISSN: 0022-3549 cited in the application abstract page 1009, column 2, paragraph 5 - page 1011, column 1, paragraph 1 page 1014, column 1, paragraph 2 - page 1015, column 1, paragraph 1 | 1-7,9,10 |
| A | SANTOS N C ET AL: "Quantifying molecular partition into model systems of biomembranes: an emphasis on optical spectroscopic methods" BIOCHIMICA ET BIOPHYSICA ACTA. BIOMEMBRANES, AMSTERDAM, NL, vol. 1612, no. 2, 10 June 2003 (2003-06-10), pages 123-135, XP004429259 ISSN: 0005-2736 the whole document | 1-10 |
| A | SCHMITZ ARNDT A P ET AL: "Interactions of myristoylated alanine-rich C kinase substrate (MARCKS)-related protein with a novel solid-supported lipid membrane system (TRANSIL)" ANALYTICAL BIOCHEMISTRY, vol. 268, no. 2, 15 March 1999 (1999-03-15), pages 343-353, XP002301863 ISSN: 0003-2697 the whole document | 1-10 |

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C.(Continuation) DOCUMENTS CONSIDERED TO BE RELEVANT

| Category ° | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|---|---|---|
| A | BOYD BEN J ET AL: "Using the polymer partitioning method to probe the thermodynamic activity of poorly water-soluble drugs solubilized in model lipid digestion products." JOURNAL OF PHARMACEUTICAL SCIENCES, vol. 92, no. 6, June 2003 (2003-06), pages 1262-1271, XP002301864 ISSN: 0022-3549 the whole document | 1-10 |
| A | VERONESE M E ET AL: "PLASMA PROTEIN BINDING OF AMIODARONE IN A PATIENT POPULATION MEASUREMENT BY ERYTHROCYTE PARTITIONING AND A NOVEL GLASS-BINDING METHOD" BRITISH JOURNAL OF CLINICAL PHARMACOLOGY, vol. 26, no. 6, 1988, pages 721-732, XP008037242 ISSN: 0306-5251 the whole document | 1-10 |
| A | AUSTIN RUPERT P ET AL: "The influence of nonspecific microsomal binding on apparent intrinsic clearance, and its prediction from physicochemical properties." DRUG METABOLISM AND DISPOSITION, vol. 30, no. 12, December 2002 (2002-12), pages 1497-1503, XP002301866 ISSN: 0090-9556 the whole document | 1-10 |
| A | POULIN PATRICK ET AL: "Prediction of pharmacokinetics prior to in vivo studies. 1. Mechanism-based prediction of volume of distribution" JOURNAL OF PHARMACEUTICAL SCIENCES, vol. 91, no. 1, January 2002 (2002-01), pages 129-156, XP002301867 ISSN: 0022-3549 cited in the application the whole document | 1-10 |
| A | WO 03/010330 A (LEIGH MATHEW LOUIS STEVEN ; VAN HOOGEVEST PETER (CH); LEIGH STEVE (CH)) 6 February 2003 (2003-02-06) the whole document | 1-10 |

# INTERNATIONAL SEARCH REPORT

Information on patent family members

International Application No
PCT/EP2004/008708

| Patent document cited in search report | Publication date | Patent family member(s) | Publication date |
|---|---|---|---|
| WO 03010330 A | 06-02-2003 | WO 03010330 A2 | 06-02-2003 |
| | | EP 1410020 A2 | 21-04-2004 |